

## CLAIMS

1. Tube, in particular for the use in medical devices in the form of catheters for endoluminal operations, wherein in at least one portion (13) of its wall (11) there are obtained notches (14) with width A such as to locally increase the flexibility of the tube, said notches (14) being provided in at least one distal zone of said tube.
2. Tube according to claim 1, comprising a plurality of notches having a predetermined axial distance from one another.
3. Tube according to claim 2, wherein said axial distance between said notches increases from the distal end in proximal direction.
4. Tube according to any one of the previous claims, wherein said notches form an angle  $\alpha$  with a circumference obtained on the outside surface of said tube, said angle  $\alpha$  having constant width.
5. Tube according to any one of claims from 1 to 3, wherein said notches form an angle  $\alpha$  with a circumference obtained on the outside surface of said tube, said angle  $\alpha$  having increasing measure from the distal end in proximal direction.
6. Tube according to claim 5, wherein said width of said angle  $\alpha$  increases by an amount  $\beta$  at each arc  $\gamma$  covered on the surface of the tube in terms of width E of each notch and of angular distance G between two consecutive notches.
7. Tube according to claim 6, wherein the measure of said arc  $\gamma$  is comprised between  $0^\circ$  and  $360^\circ$ .
8. Tube according to any one of claims from 1 to 3, wherein said notches are arranged perpendicularly to the longitudinal axis of the tube.

9. Tube according to any one of the previous claims, wherein said notches have a width comprised between 5  $\mu\text{m}$  and 1 mm.
10. Tube according to any one of the previous claims, wherein said notches have a width comprised between 10  $\mu\text{m}$  and 25  $\mu\text{m}$ .
- 5 11. Tube according to any one of the previous claims, wherein at at least one of the ends, said notches comprise a circular hole having a larger diameter than the notch width.
12. Tube according to any one of the previous claims, wherein the portion comprising said notches extends from the distal end in proximal direction for  
10 a length comprised between 70 and 110 mm.
13. Tube according to any one of the previous claims, wherein the portion comprising said notches extends from the distal end in proximal direction for a length comprised between 80 and 100 mm.
14. Tube according to any one of the previous claims, wherein said tube is  
15 realised with a metal material.
15. Tube according to any one of the previous claims, wherein said metal material is stainless steel.
16. Tube according to any one of claims from 1 to 13, wherein said tube is made of a composite material.
- 20 17. Tube according to any one of claims from 1 to 13, wherein said tube is made of a composite material.
18. Tube according to any one of the previous claims, wherein the surface of said tube is covered with a layer of polytetrafluoroethylene (PTFE).
19. Catheter for endoluminal operations comprising a tube according to any  
25 one of the previous claims.